



SWARC NEWS

Notes from KK4BK

I have never been at a loss for words. But there are lots of thoughts – no resemblance to complete, just thoughts.

Here is how I'm going to define my 2021 Radio operations.

The reality is, Ham radio as a "hobby" is generally about meeting other operators by chance, over the air. **In contrast, communications preparedness or EMCOMM is more about reaching out to a specific station, from any location, despite the time of day or night.** Reaching that specific station is much more difficult, than having a QSO with someone you happen to meet on the air. We might not even know which station is "the station", until we are knee deep in mud, trying desperately to get those messages in or out. When we can do this with a great percentage of success, we are on the right path.

Thank You OH8STN

Now I just need to find a way to measure that. What are your 2021 Ham Radio Plans?

April meeting both in-person and zoom. Need an Election Committee. (boy I hope they volunteer to shape the club in the year to come)

May – weenie roast. Do not know how that would work on Zoom. Eh. They can watch us eat. Field Day preps. I hear 3 or 4 folks wanna operate. I'm thinking food is involved. And, since we are outside "Social Distance."

June – Elections. Field day.

And with all these new Retiree's in the club – I need to get back to work, Congrats Ron and Manny!

SWARC de KK4BK

VP Ramblings from K7RLH

Thanks to all the participants in last night's meeting and auction, both in person and by Zoom. It was a fun time and it got stuff out of some folks' homes and into somebody else's.

I want to thank Steve, KA0GMY, and John, WB4UFO, for sharing the cost of two dipole antennas that they donated to the club radio room.

What last night demonstrated for us is that we can successfully hold the combo-type meeting for a while longer and hopefully more folks will soon feel comfortable enough to join in person. Mike Gaither, K4MWG, says, with current COVID restrictions, we can have 112 people in that room so there is clearly room to socially distance. Now, the big question is: when will you feel comfortable coming back and would it help if we offered drinks and light desserts to entice you?

Pay attention to your email as we will soon announce the program for the April meeting. I'm working on that now and should be able to firm it up in the next few days.

Check out page 12 for a recent article from the RARS Exciter. Might explain something you are missing.

Meeting Notes

SWARC 1 Mar 2021 Meeting Minutes

The meeting was called to order on-the-web at 7:00 pm sharp by President Brian Knox, KK4BK. We ran a hybrid meeting thanks in part to Richard's efforts allowing a portion of the attendees to participate via Zoom while others were 'in person' at the Legion hall. Despite the added complexity the meeting ran really smooth with everyone able to interact with everyone else regardless of location. Given the successful proof of concept of conducting a hybrid meeting, hopefully even after this pandemic is over, the club will be able to offer the option of participating in meetings live in person or remotely (minus the pot luck dinner).

We had very good attendance this month with twenty two (22) plus attendees present during the course of the meeting including:

Richard Hall (K7RLH), Brian Knox (KK4BK), Bill Blomgren (KK4QDZ), Andy McDaniel (KN4JJU), Al Crawford (WA4TCJ), Linda Crawford (KI4LO), Steve Mowels (KA0GMY), Ken Castille (KN4GUS), Ron Cooney from Texas (K4AAA), Bernie Jones (N4BAJ), Charley Bratton (KE4QBW), Steven Suzanne (KO4BHS), Sandy Gerli (AC1Y), Donald Trevor Nicholson (KN4OEY), Ken Bigley (KO4DHJ), Greg Gabry (N9PGG), Mike Gaither (K4MWG), John Poplawski (WB4UFO), Robby Ransdell (KA4RDR), John Daniel (KM4YLF), Cecil Byrd (KM4ARS), and Will Rowland (N4GTI). I apologize if I left anyone off the list by mistake.

Taking attendance was a bit more tricky for a hybrid meeting.

As customary Bernie led the pledge of allegiance with the group.

Financial Report:

As of 2/1/2021 the club had a starting balance of \$1,207.41. We had additions of \$145.00 from dues and no subtractions to yield a balance as of 3/1/2021 of \$1,352.41

Please join me in extending a very warm SWARC welcome to new members Robbie Ransdell (KO4LQZ) and Walt Paulson (KO4LZZ). Cool call signs gents

and welcome to the club! Please don't hesitate to reach out to any of the club members for help and support in your ham radio journey. Friendly mentoring to new hams is what SWARC is known for!

Old Business:

The North Carolina QSO Party was held Sunday February 28, 2021. Once again SWARC was a primary sponsor of the Single-Op / In-State / Phone (Low Power) award winner. Brian reports he made lots of contacts on CW. Per Steve's (KA0GMY) suggestion, next year SWARC may put a club station on the air.

New Business:

Yes, its March and its till cool outside, although hopefully the winter's rainy grip is loosening. But before you know it the ARRL Field Day will be upon us! I'm personally excited about this year's Field Day because for the first time in several years it does not conflict with my family's beach vacation. My past attempts to convince ARRL to reschedule Field Day around my vacation proved unsuccessful, so Yes! this year I will be able to participate. Although Gator's traditional antenna tree got blown up by lightning I'm sure his clever mind will come up with other antenna suspension ideas. Brian reports he's thinking an 80/40 NVIS antenna is in his future. Start making plans now for your set up. But no worries if you can't commit to setting up a field station – the club will have radios at the ready for you to use. Most importantly though we want folks to just come out and enjoy the fellowship after being apart for so long. We're hoping by late June that everyone who wants a COVID vaccine will have had an opportunity to get one and we can have a safe and enjoyable time together in person again. A Field Day dinner is being planned so stay tuned for more details. It should be epic!

Next month the club will be seeking volunteers for the Election Committee. As Big Ugly says the best way to avoid being elected is to volunteer to be on the Election Committee 😊.

Email Brian or Richard if you are interested in volunteering for the committee.

Better yet, if you are interested in being a club officer and helping to shape the direction of SWARC please let your interest be known.

In June the club will hold elections for fiscal year 2022 office positions.

Finally, the club wishes to extend a big thank you to Ron (K4AAA) for his donation of an antenna analyzer to the club's shack. If you are interested in checking out the antenna analyzer for your use, please contact Richard.

Main Event – The Annual SWARC Auction:

The main event for the March meeting was the annual SWARC auction.

Auctioneer extraordinaire Steve (KA0GMY) ran the evening's festivities with technical support from Richard using his phone's camera and Zoom connection to allow the virtual participants to feel like they were right there in the Legion hall meeting room. Regardless of if you bought or sold anything, everyone could agree that the highlight of the evening was Steve's description of the items being auctioned and how one can't possibly continue living life without owning that particular item being sold.

Great job Steve and we appreciate your service to the club.

There were lots of great equipment and deals to be had. Items auctioned off included multiple types of filters, CW oscillators, HF and 2-meter antennas, power supplies, antenna tuners, and even a wifi router. The 1500W MFJ 986 manual antenna tuner drew the most interest from bidders with KO4DHJ scoring the tuner with a winning bid of \$90.

Thanks to all the sellers, buyers, and observers who participated in this year's auction for helping to make it a big success!

Brian concluded the meeting at 8:02pm.

73

Andy McDaniel – KN4JJU - Secretary

South Wake Amateur Radio Club

Treasurer Report January 2021

South Wake Amateur Radio Club Treasurer Report February 2021

Club Addition and Reduction Activity

Additions

Dues	15.00	cash	Christopher Raba (KC2HVO)
Dues	50.00	ck# 1756	Steve (KA0GMY) and Gloria Mowels (\$15.00 for 2020-2021 membership and \$35.00 for 2021-2022 membership)
Dues	30.00	ck# 5265	Ronnie Casey (K4JDR)
Dues	30.00	ck# 2454	Robbie Ransdell (KO4LQZ)
Dues	15.00	ck# 2658	Walt Paulson (KO4LZZ)
Donation	5.00	cash	donation from Christopher Raba (KC2HVO)
Total Additions	145.00		

Reductions

Total Reductions	0.00		

Bank Account Activity

Balance as of 02/01/2021	1207.41		
Addition	145.00		
Reduction	0.00		

Balance as of 03/01/2021 1352.41

Christine Fernandini KJ4AEO 03/01/2021

MEMBERSHIP

Just a reminder that it is that time again to pay membership dues.

\$30 for individual and \$5 for each family member.

You can bring a check or cash to the next meeting or mail them to the club PO box and Christy will let me know she has received them so I can update the list. If you mail them, give me a heads up so I can mark it as pending on the roster.

Makes checks payable to South Wake ARC.

If you are going to mail it, send it to South Wake ARC – PO Box 1565 – Fuquay Varina, NC 27526

I will be developing an online form so new members can fill out the application online and mail or bring a check to a meeting.

I will be reaching out to all members here soon to make sure I have the latest contact information, addresses, etc so I can make sure the membership list reflects current information.

Thanks

Ryan Avery

NC4RA

rwavery@charter.net

NET REPORT

Hi to the SWARC Group

A change in the leaders, with KK4QDZ sneaking back in.

There were 56 callsigns that checked into the South Wake ARC Nightly net one-time last month. When they make it up to 2 – they make the list.

Call Sign	Count	Call Sign	Count	Call Sign	Count	Net Date	Count
N4BAJ	17	KI4WAI	8	NC4MP	4	2/3/2021	18
WA4TCJ	17	KO4LQX	8	KO4KPS	4	2/4/2021	11
KK4QDZ	17	KO4LRH	8	KO4BHS	3	2/6/2021	22
KM4IJK	15	KK4BVU	8	KI4YII	3	2/7/2021	15
K7RLH	14	KE5OLM	7	KN4JJU	3	2/8/2021	15
WA3JJG	12	KN4OEY	7	K4HEW	3	2/9/2021	23
KO4IHM	11	N4SBB	7	KI4LO	3	2/10/2021	20
KK4BK	11	N4MRW	6	KN4PTL	3	2/13/2021	18
AC1Y	10	KG4JOK	6	KE4RUN	3	2/14/2021	17
KI4RAN	10	KJ4WLG	6	KA4RDR	3	2/15/2021	16
KJ4CVK	10	KB4NC	5	KO4LQZ	3	2/16/2021	21
WB4UFO	9	KT4JR	5	KM4JLA	2	2/17/2021	16
AJ4NX	9	N4NCK	5	KM4ARS	2	2/18/2021	23
		KJ4QNW	5	W1JCA	2	2/20/2021	22
		KO4FUD	5	K4GEB	2	2/21/2021	16
		KO4GOG	4	N4MQU	2	2/22/2021	19
		KO4MSN	4	KO4DHJ	2	2/24/2021	21
				KA0GMY	2	2/25/2021	21
				KG4BBS	2	2/27/2021	21
						2/28/2021	19

Public Service

Check the RARS web site often for Public Service opportunities.

BOARD OF DIRECTORS

Appointed Positions

President

Brian Knox – KK4BK

Vice President

Richard Hall – K7RLH

Secretary

Andy McDaniel – KN4JJU

Treasurer

Christy Fernandini - KJ4AEO

Member-At-Large

Al Crawford –

WA4TCJ Member-At-

Large Bernie Jones –

N4BAJ Member-At-

Large

Mike Gaither –

K4MWG Membership

Chair Ryan Avery –

NC4RA

NET MANAGER

Steve – KA0GMY

Special Events Director

Gino Fernandini –KI4YXO

Public Service Director

David Krum – NW3U

SWARC Mission Statement

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of our members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

LINKS (if you have other links you want added then send them to me)

PRN

A Wide Area Digital Amateur Radio Network www.ncprn.net

GigaParts www.gigaparts.com

QRZ www.qrz.com

Ham Radio Outlet HRO www.hamradio.com

Raleigh Amateur Radio Society RARS www.rars.org

Johnson Amateur Radio Society JARS www.jars.net

South Wake Amateur Radio Club SWARC www.southwakearc.com

Big Bend ARC <https://www.bigbendarc.com>

There are events going on all the time: you got Islands on the Air (IOTA), and then there is working Light Houses, don't forget all the special events there is something new each week. Here is one for you

Mark, N4MQU is always setting up and working from different locations or likes to run different nets as the net control. See how many times you can work Mark in his different rolls during the week. If nothing else take your radio to the backyard and work some stations.

Just have fun.

ATTENTION

Hearing lots of new call signs in the nightly nets, and during the day. Please engage with them, make them feel welcome, and help them with their new found hobby or skill set.

I hear a station clearly, so why can't it hear me?

By Chuck Till, K4RGN RARS Exciter March 2021 (<https://www.rars.org/excitors/2021/RARSExciter03-2021.pdf>)

This is a question often heard from new hams. Here are possible reasons for asymmetry. Some apply to HF, some to VHF/UHF, and others to both. By Chuck Till K4RGN.

1. The other station has higher transmitter power than you.
2. The other station has higher QRN.
3. The other station has more QRM. Note that depending on skip, you might not even hear those interfering stations.
4. The other station's receiver is less capable than yours (sensitivity, selectivity, etc.) or is adjusted differently.
5. In case of digital modes, the other station is using a fast decode algorithm instead of a slow one that pulls more signals out of the mud. For example, the other station may have a computer with not enough speed to run a slow decode algorithm when the band is crowded.
6. The other station is using different antennas for transmit and receive; these antennas have different patterns. This scenario is more likely at lower frequencies.
7. When you transmit, your antenna experiences "near field" effects from nearby objects. These disturbances in antenna pattern are not necessarily symmetrical between send and receive.
8. Your transmitted signal is taking the "long way" around the earth whereas the incoming signal is taking the "short way".
9. The other station is experiencing multipath interference when receiving.
10. At the point where your transmitted signal enters the layers of the atmosphere that produce skip effects, the ionization differs from the point at which the other station's transmitted signal enters the same layers. You've probably seen a diagram of HF propagation where signals between two stations are being reflected symmetrically off an atmospheric layer -- as if a uniform sphere surrounds the earth, like a tennis ball inside a basketball. Nothing could be further from the truth! The density and composition of the ionization layers vary considerably from one spot to another. These variations produce different rates of reflection, refraction, and absorption. Therefore, the electromagnetic energy that you transmit and the energy that you receive can be taking very different paths through the atmosphere. Not only does this affect signal strength, it can also change signal polarization.
11. The other operator has a hearing deficiency. As some people grow older, they lose their ability to hear high audio frequencies. Much of the intelligibility of speech depends on consonants that have a significant component above 1000 Hz.
12. If the propagation method is meteor scatter or aircraft scatter for VHF/UHF, the Doppler phenomenon may affect the two stations differently.

ARRL News

ARRL CEO David Minster, NA2AA, to Keynote QSO Today Virtual Ham Expo

02/23/2021

ARRL CEO David Minster, NA2AA, will keynote the [QSO Today Virtual Ham Expo](#) March 13 – 14 weekend. Minster's talk — part of an [80+ speaker lineup](#) — will begin at 2000 UTC (3 PM EST) on March 13. His appearance will highlight ARRL's featured role at the Expo, which also will include "Ask The ARRL Lab." ARRL is a QSO Today Virtual Ham Expo Partner.

Minster, who assumed the ARRL Headquarters leadership position last September, has launched major projects and assembled teams to foster innovation and individual skill development in radio technology and communications. In his keynote, Minster will share his enthusiasm for advancing amateur radio and highlight current ARRL initiatives to engage and inspire the current generation of hams. (<http://www.arrl.org/news/arrl-ceo-david-minster-na2aa-to-keynote-qso-today-virtual-ham-expo>)

British Columbia Radio Amateur Copies Signal from Mars-Orbiting Satellite

02/17/2021

As reported on [Spaceweather.com](#), Canadian radio amateur Scott Tilley, VE7TIL, has snagged another signal from deep space. His latest conquest has been to copy the signal from China's **Tianwen-1** (pronounced "tee-EN-ven") probe, which went into orbit around Mars on February 10. Tilley told Spaceweather.com that the probe's X-band signal was "loud and audible."

"It was a treasure hunt," Tilley told Spaceweather.com. He explained that while the spacecraft did post its frequency with the International Telecommunication Union (ITU), it was too vague for precise tuning (X band is between 8 GHz and 12 GHz).

Launched last July, Tianwen-1 represents China's first Mars mission. It consists of an orbiter and a rover, which will land on the Martian surface in May or June 2021. It is able to photograph the planet's surface while in orbit.

Finding signals from deep space is a sub-hobby for Tilley, who seeks what he calls "zombie satellites" among other signal sources. In 2020, he tracked and identified signals from the experimental UHF military communication satellite LES-5. Tilley said he found the satellite in what he called a geostationary "graveyard" orbit after noting a modulated carrier on 236.7487 MHz. Launched in 1967, LES-5 was supposed to shut down in 1972, but it continues to operate as long as its solar panels are facing the sun, Tilley explained. (<http://www.arrl.org/news/british-columbia-radio-amateur-copies-signal-from-mars-orbiting-satellite>)

CAPE-3 CubeSat Launched

02/16/2021

The University of Louisiana (UL) at Lafayette student-built **CAPE-3** satellite was launched on January 17. A 1-U CubeSat, CAPE-3 includes a "digipeater and experimental UHF adaptive radio." An AX-25 telemetry downlink has been coordinated on 145.825 MHz and a 1k2 frequency-shift keying (FSK) downlink has been coordinated on 435.325 MHz, "which may burst to 100 kHz bandwidth," according to the [IARU Amateur Satellite Coordination page](#).

CAPE-3 is the third cube satellite in the CAPE series. The primary educational mission is to allow grade-school classrooms to access the Smartphone CubeSat Classroom, and run interactive experiments through an experimental smartphone ground-station grid.

The secondary mission is to perform scientific experiments involving radiation detection and take pictures of Earth. (<http://www.arrl.org/news/cape-3-cubesat-launched>)

Upcoming Contest <https://www.contestcalendar.com/contestcal.html>

March 2021

+ K1USN Slow Speed Test	0000Z-0100Z, Mar 1
+ OK1WC Memorial	1630Z-1729Z, Mar 1
+ RSGB 80m Club Championship, Data	2000Z-2130Z, Mar 1
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Mar 2
+ ARS Spartan Sprint	0200Z-0400Z, Mar 2
+ RTTYOPS Weeksprint	1700Z-1900Z, Mar 2
+ AGCW YL-CW Party	1900Z-2100Z, Mar 2
+ QRP Fox Hunt	0200Z-0330Z, Mar 3
+ Phone Weekly Test - Fray	0230Z-0300Z, Mar 3
+ CWops Mini-CWT Test	1300Z-1400Z, Mar 3
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Mar 3
+ CWops Mini-CWT Test	1900Z-2000Z, Mar 3
+ UKEICC 80m Contest	2000Z-2100Z, Mar 3
+ CWops Mini-CWT Test	0300Z-0400Z, Mar 4
+ RTTYOPS Weeksprint	1700Z-1900Z, Mar 4
+ NRAU 10m Activity Contest	1800Z-1900Z, Mar 4 (CW) and 1900Z-2000Z, Mar 4 (SSB) and 2000Z-2100Z, Mar 4 (FM) and 2100Z-2200Z, Mar 4 (Dig)
+ SKCC Sprint Europe	2000Z-2200Z, Mar 4
+ NCCC RTTY Sprint	0145Z-0215Z, Mar 5
+ QRP Fox Hunt	0200Z-0330Z, Mar 5
+ NCCC Sprint	0230Z-0300Z, Mar 5
+ K1USN Slow Speed Test	2000Z-2100Z, Mar 5
+ Novice Rig Roundup	0000Z, Mar 6 to 2359Z, Mar 14
+ ARRL Inter. DX Contest, SSB	0000Z, Mar 6 to 2400Z, Mar 7
+ Wake-Up! QRP Sprint	0600Z-0629Z, Mar 6 and 0630Z-0659Z, Mar 6 and 0700Z-0729Z, Mar 6 and 0730Z-0800Z, Mar 6
+ Open Ukraine RTTY Championship	1800Z-2059Z, Mar 6 (Low Band) and 2100Z-2359Z, Mar 6 (Low Band) and 0800Z-1059Z, Mar 7 (High Band) and 1100Z-1359Z, Mar 7 (High Band)
+ UBA Spring Contest, CW	0700Z-1100Z, Mar 7
+ NSARA Contest	1200Z-1600Z, Mar 7 and 1800Z-2200Z, Mar 7
+ SARL Hamnet 40m Simulated Emerg Contest	1200Z-1400Z, Mar 7
+ WAB 3.5 MHz Phone	1800Z-2200Z, Mar 7
+ K1USN Slow Speed Test	0000Z-0100Z, Mar 8
+ OK1WC Memorial	1630Z-1729Z, Mar 8
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Mar 9
+ RTTYOPS Weeksprint	1700Z-1900Z, Mar 9
+ QRP Fox Hunt	0200Z-0330Z, Mar 10
+ Phone Weekly Test - Fray	0230Z-0300Z, Mar 10
+ CWops Mini-CWT Test	1300Z-1400Z, Mar 10

+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Mar 10
+ CWops Mini-CWT Test	1900Z-2000Z, Mar 10
+ RSGB 80m Club Championship, CW	2000Z-2130Z, Mar 10
+ AWA John Rollins Memorial DX Contest	2300Z, Mar 10 to 2300Z, Mar 11 and 2300Z, Mar 13 to 2300Z, Mar 14
+ CWops Mini-CWT Test	0300Z-0400Z, Mar 11
+ RTTYOPS Weeksprint	1700Z-1900Z, Mar 11
+ NCCC RTTY Sprint	0145Z-0215Z, Mar 12
+ QRP Fox Hunt	0200Z-0330Z, Mar 12
+ NCCC Sprint	0230Z-0300Z, Mar 12
+ K1USN Slow Speed Test	2000Z-2100Z, Mar 12
+ YB DX RTTY Contest	0000Z-2359Z, Mar 13
+ SARL VHF/UHF Analogue Contest	0500Z-0700Z, Mar 13 (6m) and 0700Z-0900Z, Mar 13 (2m) and 0900Z-1100Z, Mar 13 (70cm) and 0500Z-0700Z, Mar 14 (6m) and 0700Z-0900Z, Mar 14 (2m) and 0900Z-1100Z, Mar 14 (70cm)
+ SARL Field Day Contest	0800Z, Mar 13 to 0800Z, Mar 14
+ RSGB Commonwealth	1000Z, Mar 13 to 1000Z, Mar 14
+ DIG QSO Party, SSB	1200Z-1700Z, Mar 13 (20m-10m) and 0700Z-0900Z, Mar 14 (80m) and 0900Z-1100Z, Mar 14 (40m)
+ South America 10 Meter Contest	1200Z, Mar 13 to 1200Z, Mar 14
+ SKCC Weekend Sprintathon	1200Z, Mar 13 to 2400Z, Mar 14
+ F9AA Cup, SSB	1200Z, Mar 13 to 1200Z, Mar 14
+ Oklahoma QSO Party	1400Z, Mar 13 to 0200Z, Mar 14 and 1500Z-2200Z, Mar 14
+ AGCW QRP Contest	1400Z-2000Z, Mar 13
+ Stew Perry Topband Challenge	1500Z, Mar 13 to 1500Z, Mar 14
+ EA PSK63 Contest	1600Z, Mar 13 to 1600Z, Mar 14
+ TESLA Memorial HF CW Contest	1800Z, Mar 13 to 0559Z, Mar 14
+ QCWA QSO Party	1800Z, Mar 13 to 1800Z, Mar 14
+ Idaho QSO Party	1900Z, Mar 13 to 1900Z, Mar 14
+ QRP ARCI Spring Thaw SSB Shootout	2200Z-2300Z, Mar 13
+ North American Sprint, RTTY	2300Z, Mar 13 to 0300Z, Mar 14
+ UBA Spring Contest, 2m	0700Z-1100Z, Mar 14
+ Classic Exchange, Phone	1400Z, Mar 14 to 0800Z, Mar 15 and 1400Z, Mar 16 to 0800Z, Mar 17
+ Wisconsin QSO Party	1800Z, Mar 14 to 0100Z, Mar 15
+ K1USN Slow Speed Test	0000Z-0100Z, Mar 15
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Mar 15
+ OK1WC Memorial	1630Z-1729Z, Mar 15
+ Bucharest Digital Contest	1800Z-2059Z, Mar 15
+ RSGB FT4 Contest Series	2000Z-2130Z, Mar 15
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Mar 16
+ CLARA Chatter Party	1700Z, Mar 16 to 1700Z, Mar 17 and 1700Z, Mar 20 to 1700Z, Mar 21
+ RTTYOPS Weeksprint	1700Z-1900Z, Mar 16
+ QRP Fox Hunt	0100Z-0230Z, Mar 17
+ Phone Weekly Test - Fray	0230Z-0300Z, Mar 17

+ CWops Mini-CWT Test	1300Z-1400Z, Mar 17
+ CWops Mini-CWT Test	1900Z-2000Z, Mar 17
+ NAQCC CW Sprint	0030Z-0230Z, Mar 18
+ CWops Mini-CWT Test	0300Z-0400Z, Mar 18
+ RTTYOPS Weeksprint	1700Z-1900Z, Mar 18
+ BCC QSO Party	1930Z-2059Z, Mar 18
+ QRP Fox Hunt	0100Z-0230Z, Mar 19
+ NCCC RTTY Sprint	0145Z-0215Z, Mar 19
+ NCCC Sprint	0230Z-0300Z, Mar 19
+ K1USN Slow Speed Test	2000Z-2100Z, Mar 19
+ BARTG HF RTTY Contest	0200Z, Mar 20 to 0159Z, Mar 22
+ Russian DX Contest	1200Z, Mar 20 to 1200Z, Mar 21
+ AGCW VHF/UHF Contest	1400Z-1700Z, Mar 20 (144) and 1700Z-1800Z, Mar 20 (432)
+ Virginia QSO Party	1400Z, Mar 20 to 0400Z, Mar 21 and 1200Z-2400Z, Mar 21
+ Feld Hell Sprint	2000Z-2159Z, Mar 20
+ UBA Spring Contest, SSB	0700Z-1100Z, Mar 21
+ Run for the Bacon QRP Contest	2300Z, Mar 21 to 0100Z, Mar 22
+ K1USN Slow Speed Test	0000Z-0100Z, Mar 22
+ OK1WC Memorial	1630Z-1729Z, Mar 22
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Mar 23
+ RTTYOPS Weeksprint	1700Z-1900Z, Mar 23
+ SKCC Sprint	0000Z-0200Z, Mar 24
+ QRP Fox Hunt	0100Z-0230Z, Mar 24
+ Phone Weekly Test - Fray	0230Z-0300Z, Mar 24
+ CWops Mini-CWT Test	1300Z-1400Z, Mar 24
+ CWops Mini-CWT Test	1900Z-2000Z, Mar 24
+ CWops Mini-CWT Test	0300Z-0400Z, Mar 25
+ RTTYOPS Weeksprint	1700Z-1900Z, Mar 25
+ RSGB 80m Club Championship, SSB	2000Z-2130Z, Mar 25
+ QRP Fox Hunt	0100Z-0230Z, Mar 26
+ NCCC RTTY Sprint	0145Z-0215Z, Mar 26
+ NCCC Sprint	0230Z-0300Z, Mar 26
+ K1USN Slow Speed Test	2000Z-2100Z, Mar 26
+ FOC QSO Party	0000Z-2359Z, Mar 27
+ CQ WW WPX Contest, SSB	0000Z, Mar 27 to 2359Z, Mar 28
+ UBA Spring Contest, 6m	0600Z-1000Z, Mar 28
+ K1USN Slow Speed Test	0000Z-0100Z, Mar 29
+ QCX Challenge	1300Z-1400Z, Mar 29
+ OK1WC Memorial	1630Z-1729Z, Mar 29
+ QCX Challenge	1900Z-2000Z, Mar 29
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Mar 30
+ QCX Challenge	0300Z-0400Z, Mar 30
+ RTTYOPS Weeksprint	1700Z-1900Z, Mar 30
+ QRP Fox Hunt	0100Z-0230Z, Mar 31
+ Phone Weekly Test - Fray	0230Z-0300Z, Mar 31
+ CWops Mini-CWT Test	1300Z-1400Z, Mar 31
+ CWops Mini-CWT Test	1900Z-2000Z, Mar 31
+ UKEICC 80m Contest	2000Z-2100Z, Mar 31

HAM RADIO OPERATOR



WHAT MY FRIENDS THINK I DO



WHAT MY WIFE THINKS I DO



WHAT SOCIETY THINKS I DO



WHAT MY KIDS THINK I DO



WHAT I THINK I DO



WHAT I ACTUALLY DO

